

# The Lincoln Electric Company

General Office and Factory  
12030 Coit Road, Cleveland, Ohio

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## Products

Lincoln "Stable-Arc" Welders, manual and automatic; electrodes and other welding accessories; Lincoln "Linc-Weld" Motors, A.C. only.

## Policy

THE LINCOLN ELECTRIC COMPANY was established in 1891. This company has specialized in the manufacture of electric induction motors and electric arc-welding equipment. Through this policy of specialization it has brought its products to their high state of efficiency.

## Growth of Electric-Arc Welding

In 1906 THE LINCOLN ELECTRIC COMPANY manufactured the first variable voltage welding machine for commercial purposes. Since then the use of electric arc welding has increased to such a great extent that it is used by manufacturers in practically every industry. Each day sees new applications of the process in the manufacture of practically everything made from metal. Cognizant of the importance of welding in industry, leading universities and technical schools are including in their curriculums, courses of instruction in welding engineering, and design. Lincoln "Stable-Arc" Welders have been chosen for the welding equipment by practically all of these schools.

## Welding in Vocational Training

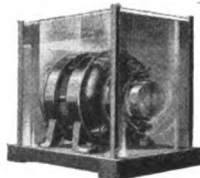
The rapidly increasing use of arc welding in industry offers tremendous opportunities for young men thoroughly schooled in welding and its applications. So great has been the demand for welding operators that it was necessary for THE LINCOLN ELECTRIC COMPANY to operate a school for training welding operators for which there is always a waiting list of applicants for admission. In high school vocational training departments Lincoln "Stable-Arc" Welders are valuable equipment in the sheet metal shops, machine shops, and auto repair shops as well as the basic equipment for general welding instruction.

## Simplicity of Arc Welding

Any high school student is capable of learning the art of welding. The current for arc welding is of a lower voltage than that used on a house lighting circuit and is entirely safe in the hands of any student. The equipment is simple in construction and in principle, requires little attention other than ball bearing oilings.

## "Stable-Arc" Welding Machines.

THE LINCOLN ELECTRIC COMPANY is one of the largest manufacturers of arc welding apparatus. "Stable-Arc" Welders are guaranteed to do maximum welding work under actual shop conditions. "Stable-Arc" Welders are built in a complete range of



**TRADEMARK**  
Registered  
This standard Lincoln Motor has operated under water for years.

styles and sizes, completely wired ready for immediate use.

The portable models can be easily moved from one shop to another, wherever they are needed for instruction and operating purposes.

All of these types consist essentially of:

1. A standard motor to be driven from the shop power lines. This motor furnishes the power for driving the welding generator and can be furnished with windings for any commercial current. (Where electric power is not available, a gasoline engine or line-shaft drive takes the place of the motor.)
2. A specially wound generator delivering current of the proper characteristics for welding.
3. A stabilizer acting as a reservoir of current.
4. A control panel with knife switches and meters for adjusting the amount of welding heat.

A welder occupies approximately 9 square feet of floor space.

A Lincoln "Stable-Arc" Welder of 200 ampere capacity is recommended as the most practical size of machine for instruction purposes. With this size welder, thin sheet metal may be welded as well as one-half inch plate.

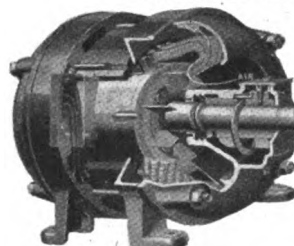
## Welding Accessories

THE LINCOLN ELECTRIC COMPANY handles a complete line of welding accessories including "Kathode," "Anode," "Stable-Arc" and "Fleet-Weld" Welding Rod.

## Educational Service

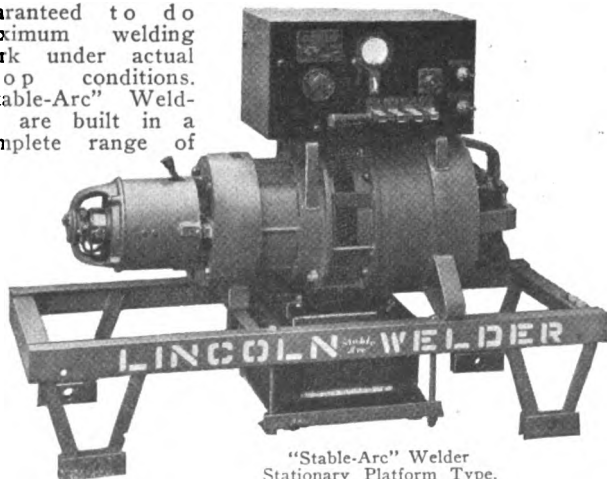
This company has a vast amount of data relative to arc welding which is available in printed form. The text book "Arc-Welding—The New Age in Iron and Steel" will be found invaluable to instructors. The price of this book is \$1.50. Instruction manuals and other bulletins are available without cost.

## Lincoln "Linc-Weld" Motor

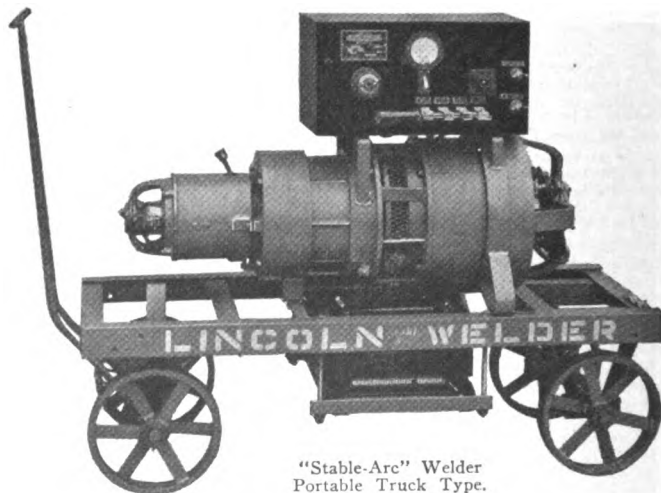


Cross Section View of "Linc-Weld" Motor.

The Lincoln "Linc-Weld" Motor is not just another motor, but is radically different from any other motor on the market. It is constructed of steel by means of the "Stable-Arc" welding process, which not only greatly increases its structural strength, but also makes possible better electrical characteristics. In brief, "Linc-Weld" Motors have: (1) Large bearings. (2) Large shafts. (3) Waterproof insulation. (4) Unbreakable steel frame. (5) Great overload capacity. These outstanding features of "Linc-Weld" Motors make them particularly well adapted for general service.



"Stable-Arc" Welder  
Stationary Platform Type.



"Stable-Arc" Welder  
Portable Truck Type.

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